

FIGURE 1A

0000436-03000

The diagram illustrates a laser interferometer setup for measuring distance and deformation. Key components and labels include:

- 102**: Laser source
- 104**: Laser beam
- 106**: Mirror
- 120, 122**: Beam paths
- 124**: Beam splitter
- 126, 128**: Mirrors
- 130**: Detector
- 132**: PD Signal
- 134**: Distance actuator
- 136**: Distance signal
- 138**: Distance M1 Actuated
- 140**: Control unit
- 142**: Deformation tensile elongation
- 144**: Distance M2
- 146**: Distance M1
- 148**: Distance M2
- 150**: Distance M1
- 152**: Distance M2
- 154**: Distance M1
- 156**: Distance M2
- 158**: Distance M1
- 160**: Distance M2
- 162**: Distance M1
- 164**: Distance M2
- 166**: Distance M1
- 168**: Distance M2
- 170**: Distance M1
- 172**: Distance M2
- 174**: Distance M1
- 176**: Distance M2
- 178**: Distance M1
- 180**: Distance M2
- 182**: Distance M1
- 184**: Distance M2
- 186**: Distance M1
- 188**: Distance M2
- 190**: Distance M1
- 192**: Distance M2
- 194**: Distance M1
- 196**: Distance M2
- 198**: Distance M1
- 200**: Distance M2

FIGURE 1 *B*

Figure 2

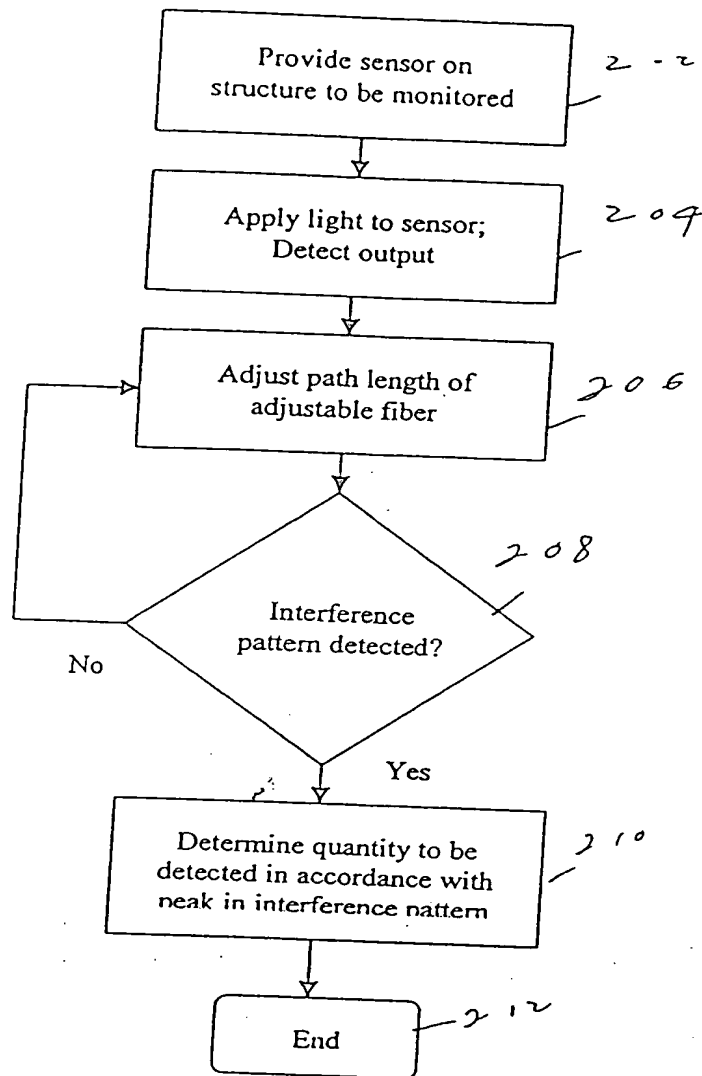


Fig. 3A

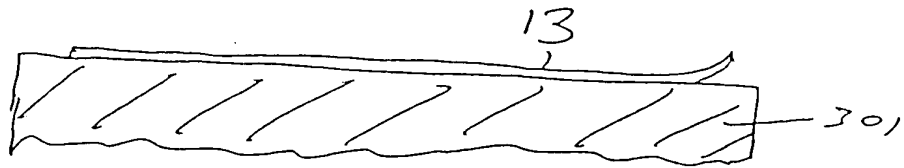


Fig. 3B

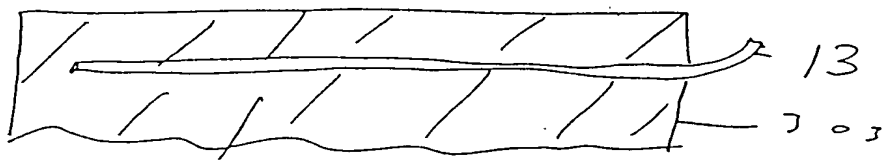


Fig. 3C

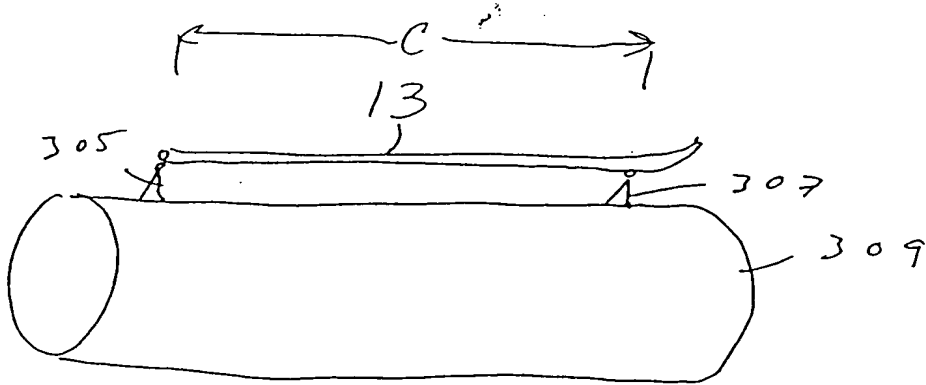


Fig. 4A

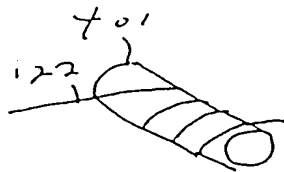
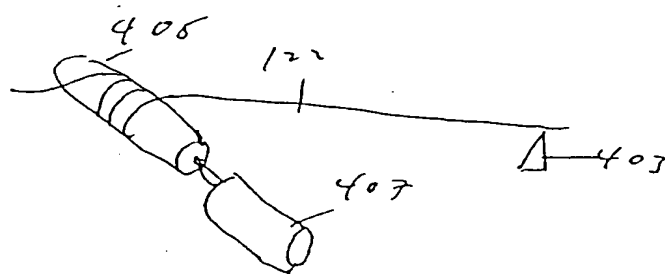
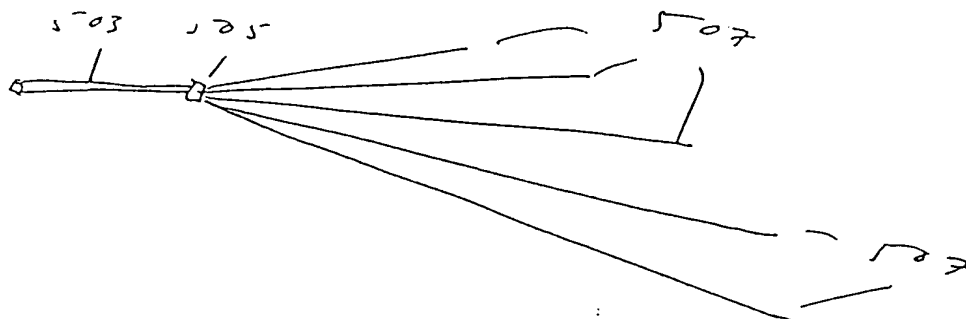


Fig. 4B



5012 Fig. 5A



5112 Fig. 5B

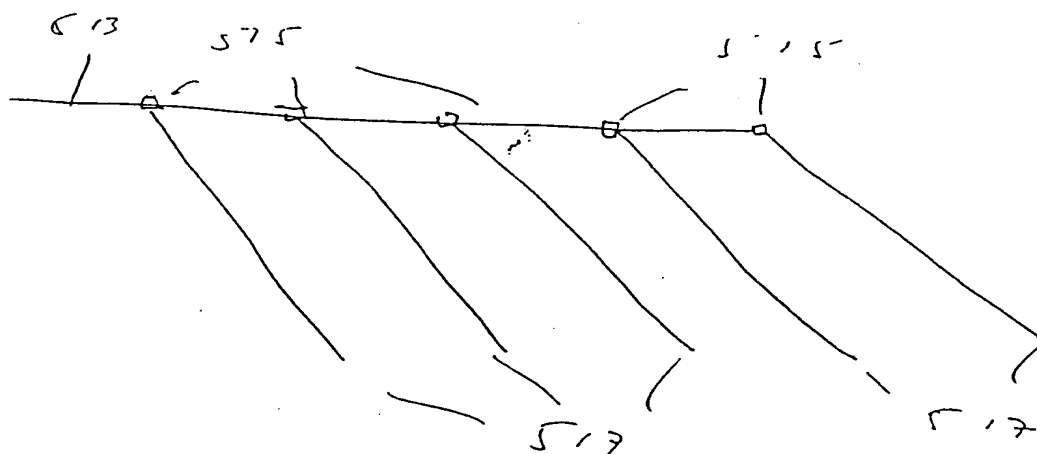


Fig-6

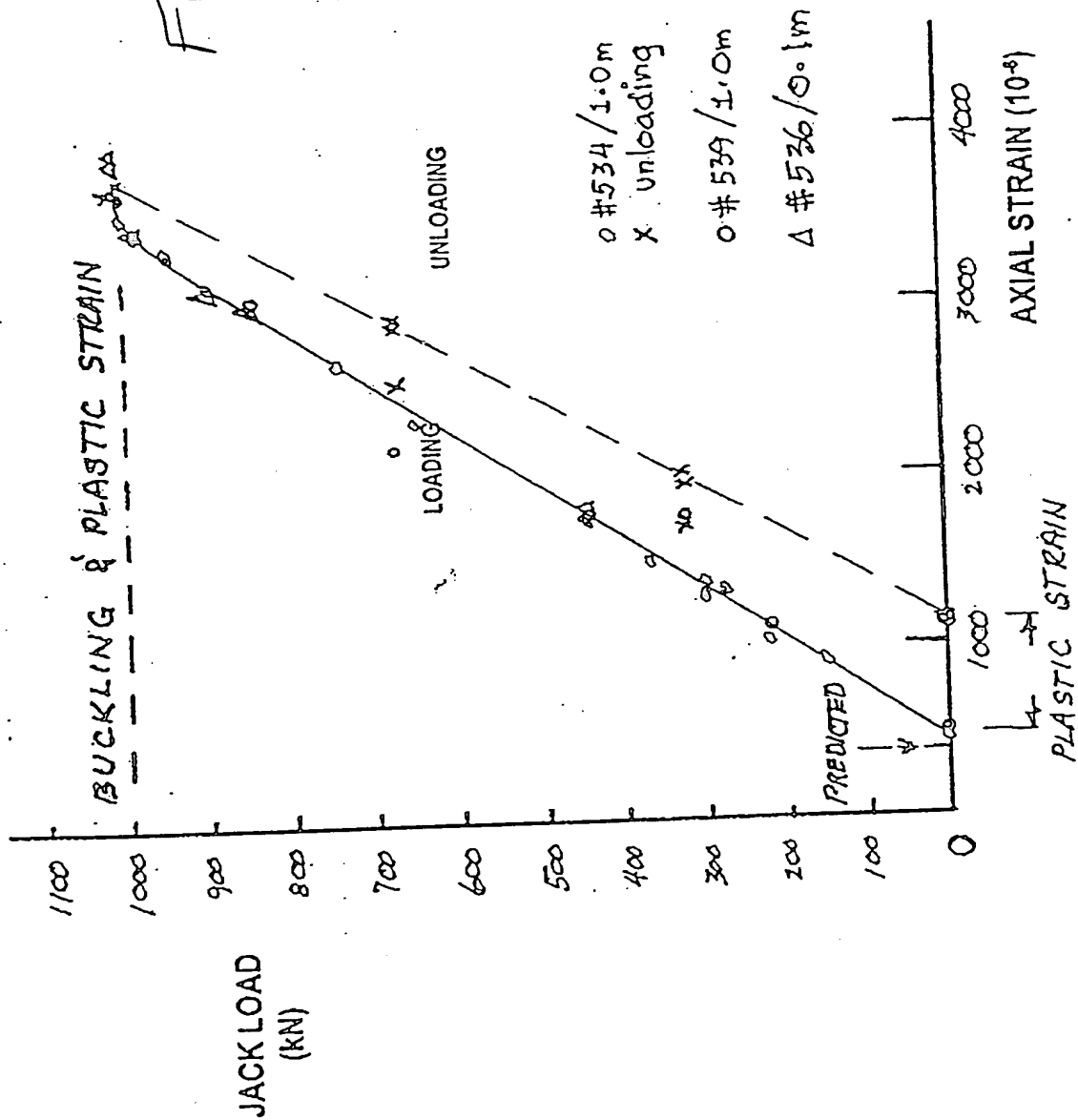


Fig. 7

